

## QUINNIPIAC RIVER BASIN

01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953-54, 1957, 1968 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1969 to December 1970.

WATER TEMPERATURES: November 1969 to December 1970.

REMARKS.--Samples for dissolved aluminum and zinc collected from May through September 2000 were reanalyzed because of possible contamination in the lab; those samples that could not be reanalyzed have been updated to the original concentration with a "less-than" (&lt;) data qualifier.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 530 microsiemens July 16, 1970; minimum recorded, 47 microsiemens July 4, 1970.

WATER TEMPERATURES: Maximum, 31.0°C July 28, 1970; minimum, 0.0°C on many days during winter periods.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

		DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE AIR (DEG C) (00020)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED CENT SATUR- ATION (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML) (31616)	
OCT 28...	1040	167	285	293	7.6	10.0	10.0	2.5	11.1	96	3500	
DEC 28...	1130	170	293	290	7.6	-1.5	2.0	2.1	13.7	99	2600	
FEB 14...	1130	836	262	263	7.6	5.0	3.5	77	14.8	113	3000	
APR 11...	1120	207	270	274	7.8	6.5	8.5	2.5	12.8	108	2700	
JUN 08...	1030	810	172	161	7.3	24.5	14.5	12	9.8	96	3100	
JUL 24...	1130	91	342	357	7.7	24.0	21.5	2.2	8.7	98	K270	
AUG 07...	1115	246	269	280	7.5	29.0	21.0	11	7.7	86	3600	
SEP 20...	1045	384	259	258	7.7	24.5	19.0	22	8.7	95	K6900	
DATE		ENTERO- COCCI ME, MF WATER TOTAL (COL / 100 ML) (31649)	ENTERO- COCCI (MEI) MF 24 HOUR (COL / 100 ML) (90909)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT 28...	232	--	91	28.3	5.05	18.4	2.6	0	81	66	18.2	
DEC 28...	620	--	96	29.9	5.19	17.0	2.1	0	82	67	14.4	
FEB 14...	4600	--	60	18.6	3.15	23.1	1.9	0	49	40	10.5	
APR 11...	--	500	76	23.3	4.34	18.1	1.9	0	72	59	12.7	
JUN 08...	--	4100	45	14.0	2.53	10.4	1.2	0	44	36	7.9	
JUL 24...	--	128	110	32.8	5.77	23.4	3.0	0	93	76	19.4	
AUG 07...	--	4000	86	26.8	4.63	17.3	2.2	0	79	65	13.0	
SEP 20...	--	K9000	77	24.1	4.09	15.8	2.5	0	70	57	12.3	
DATE		CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, RESIDUE AT 105 DEG. C, TOTAL (MG/L) (00500)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
OCT 28...	30.4	.1	13.0	172	185	.014	2.07	.066	.33	.40	.38	
DEC 28...	29.8	<.1	12.7	170	181	.044	2.57	.207	.25	.46	.42	
FEB 14...	38.1	<.1	6.6	147	220	.019	1.59	.303	.92	1.2	.52	
APR 11...	30.1	<.1	8.2	155	159	.031	1.52	.160	.42	.58	.39	
JUN 08...	15.6	<.1	7.5	106	115	.018	.764	.098	.53	.63	.37	
JUL 24...	38.5	.2	11.9	214	220	.048	3.49	<.020	--	.44	.33	
AUG 07...	27.7	.1	11.8	172	195	.036	1.99	.044	.57	.61	.32	
SEP 20...	25.2	.1	8.8	155	179	.024	2.27	.071	.62	.69	.38	

## 01196500 QUINNIPIAC RIVER AT WALLINGFORD, CT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	NITRO- GEN, TOTAL (MG/L AS N) (00600)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)
OCT 28...	2.5	.257	.197	.187	9	<1	83	<1	<1.0	<.8	<1
DEC 28...	3.0	.296	.247	.217	7	<1	88	<1	<1.0	<.8	<1
FEB 14...	2.8	.468	.156	.135	10	<1	57	<1	<1.0	<1.0	<1
APR 11...	2.1	.179	.131	.110	<33	<1	74	<1	<1.0	<.8	<1
JUN 08...	1.4	.176	.102	.082	<16	<1	44	<1	<1.0	<.8	<1
JUL 24...	3.9	.409	.358	.256	6	<1	101	<1	<1.0	<.8	<1
AUG 07...	2.6	.341	.239	.208	11	<1	81	<1	<1.0	<.8	<1
SEP 20...	3.0	.431	.303	.244	10	<1	68	<1	<1.0	.9	<1

  

DATE	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT 28...	4	130	<1	70	2	2	<1	9	<1	5.6
DEC 28...	2	100	<1	100	<1	1	<1	9	<1	3.3
FEB 14...	6	40	<1	85	<1	2	<1	13	<1	14
APR 11...	3	110	<1	73	<1	2	<1	<7	<1	5.9
JUN 08...	6	110	<1	31	1	2	<1	<6	<1	7.3
JUL 24...	4	50	<1	67	4	3	<1	8	<1	4.1
AUG 07...	4	70	<1	40	3	2	<1	5	<1	6.0
SEP 20...	5	50	<1	28	1	2	<1	8	<1	5.9